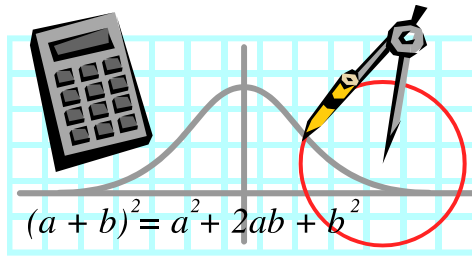


Algebra II

Miss Oliver



Objectives

Upon completion of the study of the material, the student will be able to:

- Understand how numbers and equations reflect God's design for the universe
- Use algebraic equations to describe and solve real life situations
- Solve and graph problems with the assistance of technology to predict data
- Solve real world situations using systems of equations and matrices
- Solve quadratic equations in several ways, choosing the most appropriate one
- Use direct and inverse variation to solve real world problems
- Solve polynomial equations and predict data using linear interpolation
- Solve functions involving exponential and logarithmic functions
- Graph and apply the use of conic sections
- Use basic trigonometry to solve problems; graph these

Supply List

- Standard loose-leaf paper – use in binder with 3 dividers (binder may be used for several subjects)
- At least 4 sharpened #2 pencils (preferably no mechanical pencils)
- Set of colored pencils - sharpened
- Ti -83, Ti-83 Plus, or Ti-84 calculator – in good working conditions, new batteries.

Classroom Rules

- Students must sit in assigned seats and be seated, ready to work, when the bell rings.
- Students must sit up, pay attention in class and participate, and avoid inappropriate classroom behavior, allowing all to benefit from instruction.
- Students will show respect to the teacher and to one another.

Grading Policies

- Tests – 40 %
- Quizzes - 30%
- HW/ Class work / participation – 30%
- All HW is due at the beginning of the class. Any late work will receive 80% of grade earned, and must be turned in at least one week before grades are due.